

Inrush Current Limiter Selection

3

Measurements
Needed

Zero Power Resistance
Steady-State Current
Energy Measured In Joules

Rule of Thumb:
Always Round Up



Zero Power Resistance (Ω)

Peak Voltage/Max Allowable Inrush Current

Peak Voltage = $(V_{rms})(1.414)$

Max Allowable Inrush Current = Fuse in power supply or breaker on AC line

Energy Measured In Joules (J)

$\frac{1}{2}(\text{Capacitance})(\text{Peak Voltage})^2$

Capacitance = Will come from the specifications provided by the manufacturer

Peak Voltage = $(V_{rms})(1.414)$

Steady-State Current (A)

Input Power/ Input Voltage

$(W/V = I)$



[www.ametherm.com/
inrush-current-limiters-full-line](http://www.ametherm.com/inrush-current-limiters-full-line)

Measurements Correlate
With Rows 4, 5, and 6
On Webpage